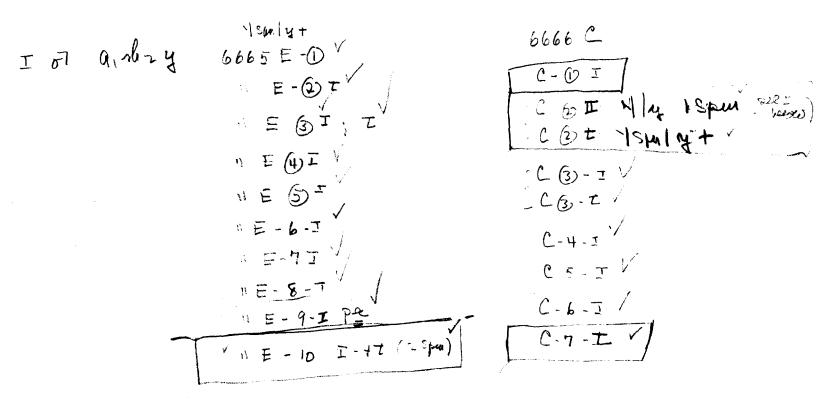
Phenotypes: hernels appearing on ears of Nonegated plants in culture 6665 and 6666 that were a, mishela, ohe if you courtiful in. the few shores that were H, we not include inthe took

miles tobb. Constitue vanishing Phonoty pas a							50n OS	l kan	unts.				ı		
Soutitu	lin of	79	of cars.		Pa	le		1	arie.	Τ.			dod	d an	
Fin eu				3	12	 	10 s	+	hz Y		بالم. ع		hz'		Totals
I a, Ma beter w	ora_	is spull of +	15	534	§3 3		2	818	534		1	2	•	2745	5470
2) 6665	E-10-エ ヨ-10-エ	1/4 52hm	1	32	34 24	0	0	64	61 54	0	0 0	0	0	211 158	402 304
3) 6666 ((pee 5	-1-I k below)	Ily ism	, भ	43	47	o	0	31	35	C	0	}		142	299
4 6666	-2 tiles	1stal 3+	Į	40	74	0	٥	71	41	o	O	. 0		227	453
5) 6666C	7 tile.	[tam 184]	1	18	26	*	-0.2 4	Ь	7	ð	D	<u> </u>)	55	109
IL of a polocloust state 5 6666 C-6666 C-	718) 2 - I	12 1 Str. 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		311	587 129 31		d ordered by the court	579 144 10	307 121			0			1784 516 97
pale flow	*'rallaid. 1.6678 -2-I		\	5 4	70	23	31	66	48	33	20	()	130	475
II 666	5 EW Webs pollunated	1 Stuly+	1	4) =	15mi	Mt	n ve 17	જ્ડિમક્સ	ritur (- 68	69)	C		75	293
Conjun	d w vietges	už wat bis h-	162633	1 1			n ne where		wolou	= (64 = 6	601 895)	2 /h. 12 = 0 18	Treas	13.00 - IV	ų i, j

5005 E- 6666 C. 74



Types of hermin applaring on ears of plants in cultures 6665 and 6666 that were a, mis shila, ohr, yet in court of uton. The few homen will the A. plant for an unit welcome with took.

		Phenotype of hornel										
Countit	ution of	spm Conzi-	No. of	P	ele	Vari	gated	rdore	1 0	ToTals		
of in Cu	50·			Shz	shiz	Shz	shi	Shz	di z	-		
andat	interstude	15 pm	Ь	566		507	0	(1147	2222		
amish ctates s tentan I	1 a, m, str. 718 Tubby 19]	1 Spm	١	114		82				196+ 19/4		
itorz I reinty	71917-1 1008U 19]	15 pm	٦	502		517				1019		
II a, m, L. pale plant	19,762 6678 7066.9]	15pm	1	101	37	96	45	D	98	377		

var amstelander yly cultures 665 F and 6666 D

I by a she tenton extende

I by a, mi she pale
atou 5718
6666 D-4-t

Spm constitution of plants derived from selected kernels on ears produced by plant 6629A-1.

Table 28

Phenotype of kernel from which plant arose	Number of plants tested	Appearance of plant	Number of plants having Spm	Spm number in plants having it and its location with respect to the alleles of Y in Y/y plants.
Pale, \underline{Sh}_2 , \underline{Y}	3	Uniformly pigmented	0	
Pale, Sh ₂ , y	10	Uniformly pigmented	0	
Variegated, Sh ₂ , <u>Y</u>	17	Variegated	17	16 <u>Y Spm / y +</u>
				1, 2 Spm, neither linked to
Variegated, Sh ₂ , y	8	Variegated	8	l Spm in all 8 plants
Variegated, \underline{sh}_2 , $\underline{\underline{Y}}$	ı	Variegated	ı	<u>Y</u> <u>Som</u> / <u>Y</u> +
Colorless, $\frac{\text{sh}}{2}$, $\frac{\text{Y}}{}$	30	Non-pigmented	15	14 <u>Y Spm / y</u>
				1 with 1 $\frac{S_{pm}}{to Y}$, not linked
Colorless, sh2, y	2 l _!	Non-pigmented	6	1 Spm in all 6 plants

Table 29

Recombination between \underline{Y} and \underline{Spm} in test crosses of \underline{Y} $\underline{Spm/y}$ parents and their offspring that were $\underline{a_1}$ $\underline{sh_2/a_1}$ $\underline{sh_2}$, \underline{Y} \underline{Spm} / \underline{Y} .

Cultures	Manuela o accesso &		Phenoty;		Percent		
ourtures	Number of ears	Pale <u>Y</u> <u>y</u>		Vari <u>Y</u>	egated <u>V</u>	Totals	Recombination
6629A (See table 20)	5	155	303	309	180	947	35•3
6665G, 6666G, 6670E, 6674F	26	1653	2922	2838	1530	8943	3 5•5

^{*}On 7 ears produced by 6 plants in culture **66**73G a partical inhibitor of Y expression was segregating among the kernels. Although linkage of Spm with Y was certain, exact classification for Y in every kernel could not be made. The kernel types on these ears are excluded from the table. There were a total of 2359 kernels on these 7 ears, 1244 were pale and 1115 were variegated.

Spm number and location in plants of culture 6629 as determined by tests of the progeny of each.

	Plant Number in Culture 6629	Spm Number and Location
	A-1	Y Spm/y +
1	A-2	Y Spm Spm / y + a and 2 other Spm, one linked to pr in main stalk but not linked to pr in tiller
Swis	A- 3	XY Spm / y +,
-	A-4.	Y Spm / y +
	A- 5	Y Spm / y + and 1 Spm, location not determined
	A- 6	<u>Y Spm / y + </u>
	A- 7	<u>Y</u> <u>Spm</u> / <u>y</u> +
₹	A- 8	Y Spm Spm / y + +
- m	A- 9	<u>Y</u> <u>Spm</u> / <u>y</u> +
	B-1	<u>y Spm / y + *</u>
	B - 2	y Spm / y + " and 1 other Spm not located
	B-3	1 Spm; location not determined but not linked to pr
	B - 4	1 Spm; location not determined but not linked to either pr or wx
	B-5	Pr + + / pr Spm Spm
	B-6	2 Spm; locations not determined but neither linked with pr
	B - 7	1 Spm; location not determined but not linked to pr or wx
	B - 9	3 Spm; locations not determined but none linked with either pr or wx. One probably in a1 m-1 carrying chromosome 3

^{*}Determined from tests of progeny in next generation after introduction of \underline{Y}

e pur location, in program of plant 6629.7-8 autice 6616)

S pun		Appropriet	Mandan	nunder	Phouoty	ee of Ken	ust la Carry	ugaile-1		
iritanos	tion	Falin Palona.	Planto	of loss.	Pale			Ratio	Total	7:4
Parent 42 6629A 175pm S	- 8	1:2	1	ı	19	¥ 56	66	¥53	194	25 109
Cultur	6676									
75pm/4	+	(7.)	14	18	655	1508	1330	647	4140	1985 2155
1 spusp	14++	1:2-	3	4	35	296	411	169	911	446 465
15msH	1/4++	112+	13	14	224	475	864	690	2253	1088 1165
15ml 4	entrote Trateo 2nd	br Mau	ŕ		46 37 48	59 62 147	88 49 181	71 39 84	264 187 460	
	13pm	1 . 1	3	3)	***************************************	568		552	1120	
24	2 Spin	3;3				35		93	28	

Spor constitution in plants downed from colorer, in 2, I share of home on tiller ear of

	wat it water		is denuted							
Į.	Saut 662	9 H·Z		Flows	ですると	wes arant	uz a, w-1			
Culturo				90	alf	Va	ill cated			
6667 R	laut	Ebm Carr	titution	7	싷	, essenti in	4	Totals	7	Y-
F- 8		HERM 1	+	5	119	12-7	50	5 5 0		
F-11		45hm spu	14++	ь	102	121	39	268	127	. 141
F-9		(on-diduique	42	62	135	142	381		
F-1		1spaly+	phiersym	33	57	133	100			
G-11	-15 pm	Spen /4++	plus 15 pen	16	57	157	108			
F-5	į		2 Spm	2	21	120	107			
F-2	3 Spu;	1 probab	my des.	11	32	162	148			
F-6	16		pr 41 fr	13	30	149	129			
F-3		35 pm		26	17	118	126			
F-10		3 Spin.		5	4	45	44			
Caltu	a l y + +	hod houts		derine fu	e of proof	185 163 1260	-W-1	Totals 567 2952 682	7 F-11 7 : 280 1968 315	287 229 1484 367
Smiley .	Spor									

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no Early Proplex
            23 pale: 214 non 35 fm
6667 G
           38 n; 109 voz 3 50m
 n 6 2
            159 11: 163 bar - 15pm
 11 6 3
           128 1: 18411 - 3 liulid Spen
 11 6 4
            35 paului: 8 palem: 47 non Wx; 80 non. un Wx+lensportspo
 11 6B
            177 pale: 154 lan. We luly Provilex ISpur
 11 6-17
 11 6-8
            170 ": 304 m "" -25 pm
 11 G 9
                                       11 18 pm
            155 "; 144 " " "
 16-11
```

Luleage & Spen work Pr. M. Bent & process & 6629 A-2; plant 6668C-6, and process of this plant cutture 6877.

Parentago vo. of Phonotypo of aim - hornels on con.											
C fin e	oustiller	un Ocheusso.	ears.	Fal		Vario		Total	Paranges		
Pasta 66681	to strai	4	1	90 Z	7	PA- 24	72 195		12.		
6877A	- 1	4561	1 22	33 36 2.	170 196	156 157 170	26 18 36	385 407 457	15.3		
6877 A	2	\$ 87	1	28 30	255 202	294 161	25	602 407	8.8		
-APP83	나		١	61	124	1,2.6	58	369	32.2		
Prlyz;	li .										
6877A- 11 A- 11 B-	3 5 3	4 4 9	1	142 116 125	137.	112 83 122	112	503 394 4 93	0 0 0		

Tare 35

Linkage of John with un in plant 6668C-3 in the progray of plant 6629 A& location with progray of Faut 6668C-3

and to	loccitw	n withi	Fre Grand &	pacel of	48C-3		tetcles			
				Phenotyle	90 d 950 1	Domison			(DELUT	
Epun C	oustitution		:	Pa		Narios		Total	Reminusta	
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ļ	.Spm +1	MAN- RECORD						_		
6668 C	3			100	30	123	212	465		
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		en e							i i	
1) + Spu	W1+	a dili a ay aka								
68727	- G			40	193	16D	28	421	16.7	
	-12 Migus.	ALC .		26	196	197 +	18	438	10.4	
$t_z = -4$	12 tiller	aen		3&	81	89	29	284	28.4	
6872F	- 15 main	2m *+		63	185	153	48	449 373	2417 2517	
1	- 15 Wes	. t 00%		55	148	129	41	5/5	2011	
7 TW	o need on	on This	lor will	and off	Romm	wer pa	io, secti	on up	ic part &	car.
		ound	a well h	picu ; 3 4	beruis,	MAZEN (M	ત્વાં _{છે}	, ,		
(e? †	2 6.20.3 3 3.	: busy	ear, Hi	W41,61	W					
.	. ,	T ~	9.7							
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									• • • • • • • • • • • • • • • • • • •	
									The state of the s	
						Process designation				

6872 = 30 plants tost ed:

1 = [mativated Spur] or no Spur

1 = only small rector in which ron hences appeared: 49.7A, hum, is

19 = 1 8 pm, not linear to Wx or Pr

3 = 1 Spw, linked to W4 - 11 table

3 = 2 limbed Spin elawate, was with Proster

1 = 2 non-linked Spen elements

1 = 3 Spin elements

pale rection on 5 of the 41 ears oftened from the 29 plants

TABLE Spm Constitution and Location in Different Plants of a Culture and in Different Parts of Individual Plants

Plant No. in Culture 7285	No. of Ears Tested per Plant	Position of Ear in Plant	Spm Constitution and Linkage with Wx
A-6, B-1, and B-6 B-4	1	1st ear, main stalk 1st ear, main stalk 1st and 2nd ears, main stalk	1 Spm; linked with Wx 2 Spm; one linked with Wx 2 Spm; one linked with Wx (both ears)
B-2 and B-5	2	Ist ear, main stalk; tiller ear	1 Spm; linked with Wx (both ears)
A-1		1st and 2nd cars, main stalk Tiller ear	1 Spm; linked with Wx 1 Spm; not linked with Wx
A-3	_	1st and 2nd ears, main stalk Tiller ear	2 Spm; one linked with Wx 1 Spm; linked with Wx
A-4	3	lst and 2nd ears, main stalk Tiller ear	1 Spm; not linked with Wx (all three ears)
A-2	3	1st ear, main stalk Ear on one tiller	1 Spm; linked with Wx 1 Spm; linked with Wx
A-7	4	Ear on another tiller Ist and 2nd ears, main stalk; ear on each of two tillers	No Spm 1 Spm; linked with Wx (all four ears)

Table 37 of humelo Phenotypes on testeross ears of plants in culture 7285 that were Wx Spm / wx + in constitution.

Plant Number	Position of ear		notypes of ke Pale colored	Varieg	gated	Total
	in plant	$W_{\mathbf{X}}$	жw	Wx	W X	7008(I
A-1 First ear,	main stalk	25	63	73	15	176
A-1 Second ear,	main stalk	40	116	123	26	305
A-2 First ear,	main stalk	27	99	78	19	223
A-2, Second til	ler	4	63	5 1	8	126
A-3 Tiller ear		22	72	78	16	188
A-6 First ear,	main stalk	32	92	67	41	232
A-7 First ear,	main stalk	23	95	93	18	229
A-7 Second ear,	main stalk	28	120	136	15	299
A-7 Tiller ear		16	79	93 3)	21	210
A-7 Tiller ear		19	57	51	22	149**
B-1 First ear,	main stalk	8	103	114	17	242
B-2 First ear,	main stalk	37	134	12 3	17	311
B-2 Tiller ear		23	92	62	22	199
B-5 First ear,m	áin stalk	5 3	158	164	50	425
B-5 Tiller ear		46	110	103	33	292
B-6 First ear,	main stalk	15	86	103 4)	16	220

There was a large sector on this ear in which only pale kernels were present. There are not included in the table. present.

¹⁾ origin of plants in culture 7330 21 origin of plants in culture 7332 3) origin of plants in culture 7333 4) origin of plants in culture 7333 4) origin of plants in culture 7334

witure 7285

TABLE 1. Phenotypes of Kernels on Two Ears of 1 Plant (A), and on Twenty-Five Ears
Produced by 12 Plants in Its Progeny (B) Curry 7285

Kernels in A derived from cross of $?a_1^{m-1}/a_1$, $wx/wx \times 3$, a_1^{m-1}/a_1^{m-1} , wx/wx, no Spm; in B, from cross of $?a_1^{m-1}/a_1^{m-1}$ or a_1^{m-1}/a_1 , $Wx/wx \times 3$, a_1^{m-1}/a_1^{m-1} , wx/wx, no Spm.

·.							
No. and Location of Spm in Parent	Deep Color (germinal muration)	Pale Color (no Spm)		Colorless with Spots of A_1 . (Spm present)		Total No. of Kernels	
	\overline{Wx} wx	Wx	wx	Wx	wx		
	0 1		196 - 81	197 89	—18 —29		
F						•	
1 Spm; linked with Wx. 2 Spm; one linked with Wx. 1 Spm; not linked with Wx	x 0 0		539 267 168	1512 594 140	356 323 174	3826 X 1263 672	

Table 39

TABLE 13- Spm Constitution and Location in Different Plants and in Different Parts of Individual Plants

No. of Ears Tested per Plant	Position of Ear in Plant	No. of Plants	and Linkage	No. of Plants with Given Constitution
1	1st ear, main stalk	13	1 Spm, linked with Wx 2 Spm, neither linked with Wx No Spm	9 * 3 1
2	1st and 2nd ear, main stalk	. 1	1 Spm, linked with Wx	1
2	lst ear, main stalk Tiller ear	15	1 Spm, linked with Wx, in both ears 1 Spm, linked with Wx, in 1s	10
			ear; 1 Spm, not linked with Wx, in tiller 1 Spm, linked with Wx, in 1s	h I st
			ear; 2 Spm, one linked with Wx, in tiller	1
			 2 Spm, one linked with Wx, in both ears 1 Spm, not linked with Wx, in both ears 	1
3	1st and 2nd ear, main stalk Tiller ear	6	1 Spm, linked with Wx, in al three ears 1 Spm, linked with Wx, in 1s	1 3
			and 2nd ears, main stalk 2 Spm, neither linked with Wx, in tiller 2 Spm, one linked with Wx, ir 1st ear; 1 Spm, linked with	; 1 1
			Wx, in 2nd ear; no Spm in tiller 2 Spm, one linked with Wx, the other linked with Pr, in all three ears	1 2
3	1st ear, main stalk Ear on each of two tillers	2	1 Spm, linked with Wx, in all three ears	1 2

^{*} One ear with sector in which Spm was absent.

Premoty to of hernels on early in which the cells Ewing that con ward

Where I for + in contitution proposition of car: I, Forter, main stalk: I seemed can, main stalk: I seemed can se

stolk,	t = tiller	ear.	Sp.M	19	newtype	of heru	els:			
Outure	Sant in.	Youthing	Coustitutes	₹o.k		وريون	eath	Total		
1330-1 1330-1 1330-1 1330-1 1330-1	-	O THELHERTHER HELL	W + Spale con + 11	W32 2312 24245924	17.73 1523 53535098 1028691021181188	WC 8387 10981189 10889	41303677571231814	235 1972 247 247 281 176 218 49 218 240 240	* Pan= neous	con since in conf
7332	1-244777988	**************************************	p M	19 17 20 64 02 88 29	3 6 6 7 7 7 7 9 2 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59384853583 183	2931603259331	345 179 139 211 164 177 130 344 239		
30 (1) (1) (2) (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	111234999 - 12356677788	HE THEFIEL LETTELL TRACTE		180431453 4039777793804	84391128309 01442515552247	7342010817 534113847613744	393274295 765235523355	794533754 2923754 292356162639	50	

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Wton	1 mx+	DUE I SOM		Pale		var)	TOTOP	·
` :	j '			Wx	W	W+	ut		
() 7330-	2 till	er ear.		8	51	72	33	164	
2 11 -	O	エ		4 2	42	99	46	191	
		五			51	92	43	191	
97332-	5 t	I elor		23	47 26	60 34	56 21	186	
@7 33 B -1) I			6	28	90	51	175	
(1) 17334-	3 I	*		14	69	150	87	320	
1 1 1	3 I 3 II 3 Tiller.			0 16	3 3 9	7 93	51 51	14	
	Total	•		82	356	697	392	1527	
									·
O FILM									
⁹ 7 3 30	ij .	I		44	50	87	78	259	
	10 tiles	T 157	<u> </u>	32	38 49	70	72	212	
9 1333 9 7334	-7 -4	I		24	31 29	67 65	64 58	186	
				3.5	60	132	122	349	
Willia	1 SPLU								
04/m 7333-	6	I		67	55	55	57	234	
} 1	6	tula		27	30	24	35	116	
(0) 5 11 -	10	I		69 54	75	55 48	71 50	270 216	
<u>্রিশ33 ५ -</u>	5	tella		39 256	61 285	39 7.7.1	31	 170	
		Tota	eus	200	e. 63	d-8-1	244	1006	
₩ <i>&</i> ₩									
1333	4 teles			15	16			3)	
1	1	1	1					į	

Table 41A

Curriery of Spin constitutions and planes in cultures 7330, 7332-34.

no.07 Phonotypes of Lernes on textoos ear:											
ebm o	rustitution		cars	Pal	2) as	usatel		totals		
				W+	W.	WK	ш				
Mtzb	+ pux (u		48	884	3703	3625	597		8909		
		·							***		
W+Spm	en + pl	es i Spen	9	82	356	697	392		1527		
WHIM	ij i Span		72	25b	285	221	244		1006		
	•										
i i	4;2 Sp			35	60	132	122		349		
W+ lun	Sepan, S	limed	2	76	88	157	150		471		
		1641B									
∂ ધ	mmay	of Luch	age of s	pu wū	hwx in	- succe	sur te	mo.			
WLSten	M+	Custoop	Year					Totals	970 Na	consulante	
		6872	1955	222	747	784	164	1917	20.1		
		7285	1956	418	1512	1539	356	3825	20.2		
		7330	1957	351	1178	1160	234	2923	20.0		
		7332	, r	209	869	831	179	2088	18.2		
ten quin qui d'unaminge		7333	A.	139	685	685	122	1631	16.0		
Annaghang dari sayar		7334	ψ	185	971	949	162	2267	15.3		
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	1			Vo. of	Phenol	ywa X	112 pe 1201	CLAW SALL		
Curtier	Spin coust	itulion		Cars	Fal	2	Darie.	atte	Total	
Parental	con:				W+-	dey	WF	ly		
1 480	WHALL	1Spm		1	25	26	30	26	107	
Procesus:	WHAY; WHAY;	10 pm.	4 low from	plants	7567	557	49.9	561	2178	
133185	Welley	2 Sput	ind) I and 1 Mes	2	58	60	117	150	38 5	
	WHEN	18 pen	Why	l	46	51	39	35	171	
7331- A- 2	Wilm 25	pur (kwint	x, 0, T	3	90	90	204	213	597	
	1	i		1	19	13	77	85	194	
7331 A-	WHM 3	38pm	T,II,I	3	46	60	247	224	577	
1	2		1	2	34	32	145	145	356	
			'							
Transfer of the second										
							,			

Take 43.

POME

Spun eous, lition and excation in the prosent of plant 6895 A-1

Cultur

Pout I

Plant	Poution								•	
wo. in	of Ear		Pal	٥	varies	ated		Totals		
cultur 7260 2	Ŧŧ		ر ماري ماري	703 47	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	74 11 59		410 219		
16	I Sector	•	32	68 7	78	2 3		151 15		
17 pe . bos. y	I Idu			91	20			113		
PartI	Fermel	प्रमुख ०	male 10,7	8000 3 1 57	153	velued 6	, Islani	* 6895] 229	-1	may pie.
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Table 44 $$\operatorname{\mathsf{Spm}}$ constitution in the progeny of plant 6895B--3

Plant Number Po in culture in	sition of plant	ear	Phenot; cross	ype of ear.	kerne	ls on t	est-		
		P	ale	Vari	egated	Varie	gated	actue)	
		<u>Wx</u>	<u>wx</u>	$\frac{Mx}{\sqrt{SD}}$	MX W-13-13-00	$\frac{Vx}{\sqrt{Spm}}$	gated 1- 241 w wx	Total	$c_{\mathtt{omments}}$
Parent plant 6895B-3	I	91	184	117	75			467	-
Progeny Plants Culture 7261		į							
$\frac{\mathbf{W}\mathbf{x}}{\mathbf{S}\mathbf{p}\mathbf{m}}/\mathbf{w}\mathbf{x} + \mathbf{i}\mathbf{n} \mathbf{s}$	ome part o	f pl	ant						
2	I	89	140	124	55			408	
5	I ller	83 15	102 26	117 35	77 43			379 119	Deficiency In wx class
6 II(n Tille Tille		46 49 22 31	98 64 24 60	76 0 38 51	47 0 25 30	0 0 1 6	3 0 8 9	270 113 118 187	
8 Till:	I er	64 12	77 29	66 33	43 20			250 94	
16	I	87	120	94	64			365	
<u>Wx Spm/wx</u> + plus	one Spm	•							-
10 Till	I er	96 21	16 47	103 100	147 105			362 273	Spm m my dument
l <u>Bpm</u> , not linke									
l I(see Tiller	text)	95	91	76	83			345	
3 Tili	I ≩ler	84 63	88 63	100 68	93 83			365 27 7	
9	I,	62 3 8	75 23	46	36			219	
12 I and II,				50	41			162	
Til:	I	103 99	90 93	92 64	89 69			374 325	
17	I	51	61	47	53			212	
18	ł	102	87	90	95			374	
19	I	85	90	98	94			367	· ·
L Spm in one par	t of plant	, 2		other	part				
ll Till	I Le r	50 76	55 65	45 132	32 130			182 403	
2 Spm in two part	ts of a pl	ant							
7 Til l	I Ler	27 20	22 33	100 59	90 60			239 172	

spin constitution in the process of plant 6704B 4 That was I spent 4+

T Plant Phenoty pas of a thi converting herman on an										
Culturi	Vicullar		Pal	<u>و</u>	yan	osated		Total		
Posts			4	4		7				
6704B	- 4		30	178	170	38			170 %	v*.6*
%₹£ 6885 P	12456789011		38 27 31 28 48 40 30	132 161 172 186 125 234 196	144 150 130 251 251	44 27 17 18 32 54 34		328 359 374 382 335 550 411 563		
6882B	* D-120112-4567		5334434503582	238 1757 157 153 161 156 161 172 172	230 1749 1559 159 159 151 157	53452435323434		38 363 381 388 399 397 3435 435 435		
-	Totals		683	3164	3033	684		7564	1.1 Tanana ay lamananan an	18.7% Neconómista
T Kog										
0885 B	2.		117	112	101	100		430		. - .
V	8		9	17	63	29	and the second s	118		
,	9		30	101	252	152		535		
e e e e e e e e e e e e e e e e e e e	>									
* a noc	or m whe	h sel from	mes une tal	pale ve	o fracul	on itus.	ear. We	Rome, u	r thu re	10°L
+ -16	ne sa de	from ? i	ide y	laery l	Renuls or	r. Hus 20	- for a	Fangus U	ulcuoun	

Phenotypes on test cos ears.

Plant	nois Phenotypes on test coop ears.										
nuubor		lars.	Pal	2		ingated		Total			
			-1	N	7	79					
6671F	١	1	28	66	66	29		189			
6672 E	- 3	١	89	217	185	65		556			
6672 E	1	1	43	66	159	135		403			
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Plant		humber		Phenotyl	od bernul	om Test Cross	lar		
number		gars.		Pa	le	Varia	gatta	Totals	
				WL	en	Wx	lu		
66717	- 2	}	THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS	156	40	29	140	365	
6672	E-4	!		128	89	85	119	721	
Prostuytu Conconco 6873 A B 18 pm	ny Reconficted 1,3, 1,3,4,5,6	й 13		1152	1216	995	1003	4366	
6873A 2Spm		7		<i>5</i> 2	ЬЬ	197	208	523	
6873B 35pm		3		89	79	572	£61	1301	

Table 48

the variegated, Y class of plants

Number and location of Spm in the program/derived from/kernels on testcross ear of the main stalk of plant 6666C-2

	Plant Number in culture 6869	Phenotype of a m-l carrying kernels on testcross ears							
	0009		Pale	Va	riegated				
1 Spm,	linked with Y	Y	Ā	<u>Y</u>	<u>y</u>	Total			
T Dom,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	66	109	112	35	322			
	3	98	157	188	89	532			
	4	81	103	145	87	416			
	5	45	137	130	72	384			
	6	84	136	107	102	429			
	7	93	107	109	92	401			
1 Spm,	not linked with Y	<u>-</u>							
	2	52	42	35	41	170			
	8	74	⋅84	76	63	297			
2 Spm, n	either linked with	l							
<u>Y</u>	, 9	36	38	69	58	201			

Spm constitution in progeny of plant 6665G-16 derived from the

Table 49

Spm constitution in progeny of plant 6665G-16 derived from the \underline{Y} , variegated class of kernels on its testcross ear.

Culture Number		notypes oss ear	of kern	els on test	
		Pale	Ver	iegated	Totals
	<u>Y</u>	¥	<u>Y</u>	Y	
6866 (7 plants)	581	713	628	543	2466
6866-2	51	1.71	170	175	467
6866-5	16	15	95	110	236

The Spm constitution in the progeny of plant 6665G-21. Plants in culture 6863 were derived from the Y class of kernels on the self-pollinated ear of a tiller of plant 6665G-12. Plants in culture 6869 were derived from the variegated class of kernels on the testcross ear of plant 6665G-21.

Culture Numbel nt	Phenotypes of kernels on testcross ears				
1	Pale		Variegated		
	$\underline{\underline{Y}}$	<u>y</u>	$\overline{\lambda}$	<u>y</u>	Total
6863-1, -2, -4, -6	477	500	455	462	1894
6863-7	199	0	169	0	368
6863-3, -9	3	4	259	281	547
6867 (15 plants)	1536	1664	1544	1654	6398
6867-9	68	92	82	61	303
6867-18	82	75	203	201	561